

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ashe et al.
Serial No.: 10/511,259
For: IMPROVED HEAT EXCHANGER TEMPERATURE CONTROL
SYSTEM
Filed: October 14, 2004
Examiner: Not Yet Assigned
Art Unit: Not Yet Assigned
Confirmation No.: 8671
Customer No.: 27,623 Attorney Docket No.: 377.8116USU

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed concurrently herewith. This Information Disclosure Statement is being filed:

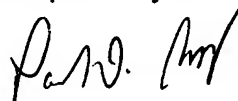
- ☐ Within three (3) months of the filing date of the national application;
- ☐ Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- ☒ Before the mailing date of a first Office Action on the merits;
- ☐ After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);

- _____ After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
- _____ After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p); and
- _____ After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to or subsequent to the payment of the Issue Fee and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p).
- _____ Filing with RCE Under 37 CFR 1.114, thus no fee is required.

We are also enclosing copies of the publications listed on the attached PTO-1449 and of available English abstracts.

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,



August 17, 2005

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Sheet 1 of 1

FORM PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

377.8116USU

Application Number

10/511,259

Applicant

Ashe et al.

Filing Date

October 14, 2004

Group Art Unit

Not Yet Assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,047,274	07/31/62	Wilson	257	313	
	4,993,367	02/19/91	Kehrer	122	7 R	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	DE 610 228	03/06/35	Germany	53	2		X
	EP 0848155	06/17/98	Europe	F02M	25/07	X	
	JP 60089685	05/20/85	Japan (abstract only)	F28D	7/16		X
	WO 00 70292	11/23/00	PCT	F28F	27/02	X	
	WO 02 087753	11/07/02	PCT	B01J	19/00	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	International Search Report dated 11 August 2003.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.